Contents of *Scientia Horticulturae,* Volume 43

VOL. 43 NOS. 1–2 **JUNE 1990**

Obituary vii

Review

Light on roses. A review
N. Zieslin (Rehovot, Israel) and Y. Mor (Tel-Aviv, Israel) 1

Cultural manipulation for out-of-season peach production under glass
A.M. Fuss, B.G. Coombe, M. Sedgley (Glen Osmond, S.A., Australia) and P.M. Burne (Murray Bridge, S.A., Australia) 15

Interaction of aluminum and calcium on 'Nemaguard' peach seedling nutrient contents and growth in sand culture
G.B. Chibiliti (Lusaka, Zambia) and D.H. Byrne (College Station, TX, U.S.A.) 29

The influence of branch angle on gradients of growth and cropping within peach trees
I.R. Dann, P.D. Mitchell and P.H. Jerie (Tatura, Vic., Australia) 37

Effects of gibberellic acid, ethephon or girdling on the production of racemes in *Macadamia integrifolia*
M.A. Nagao and W.S. Sakai (Hilo, HI, U.S.A.) 47

Uniconazole controls growth and yield of greenhouse tomato
Y.-T. Wang and L.L. Gregg (Weslaco, TX, U.S.A.) 55

Influence of postdormant temperatures on bloom time of four almond cultivars
G. Nieddu, F. Giunta and M. Mulas (Sassari, Italy) 63

Changes in some nitrogenous components during the germination of citrus seeds
P. García-Agustín and E. Primo-Millo (Valencia, Spain) 69

The flowering of carambola (*Averrhoa carambola* L.) is more strongly influenced by cultivar and water stress than by diurnal temperature variation and photoperiod
S. Salakpetch, D.W. Turner (Nedlands, W.A., Australia) and B. Dell (Murdoch, W.A., Australia) 83

Fruit abscission and ethylene production of red raspberry cultivars
J.N. Burdon and R. Sexton (Stirling, Gt. Britain) 95

Influence of cherry rootstock on the cold hardiness of twigs of the sweet cherry scion cultivar
G.S. Howell and R.L. Perry (East Lansing, MI, U.S.A.) 103

Fruit shape in apple under various controlled environment conditions
J. Tromp (Wilhelminadorp, The Netherlands) 109

Early testing of graft incompatibilities in apricot and lemon trees using in vitro techniques
R. Jonard, D. Lukman, F. Schall and P. Villemur (Montpellier, France) 117

Micro-organisms from freshly harvested cut flower stems and developing during the vase life of chrysanthemum, gerbera and rose cultivars
H.M.C. Put (Wageningen, The Netherlands) 129

The keeping quality of *Otacanthus coeruleus* — a potential new cut flower
V. Geertsen (Aarslev, Denmark) 145

In vitro regeneration of *Camellia reticulata* cultivar 'Captain Rawes' from adult material
M.C. San-José and A.M. Vieitez (Santiago de Compostela, Spain) 155

Budded cuttings for propagating roses
C.-Y. Chu (Urbana, IL, U.S.A.) 163

Effects of ozone exposure on enzymes and metabolites of nitrogen metabolism
M. Agrawal and S.B. Agrawal (Varanasi, India) 169

Book Review
Crop protection chemicals 179

VOL. 43 NOS. 3–4 JULY 1990

Glasshouse performance of three leafy vegetables grown in mixtures in Nigeria
J.E.G. Ikeorgu (Umuahia, Nigeria) 181
Respiration and ethylene in harvested asparagus spears during aging at 20°C
S. Hennion and C. Hartmann (Orléans, France) 189
Flowering, pollination and fruiting in fluted pumpkin (*Telfairia occidentalis*)
M.O. Akoroda, N.I. Ogbechie-Odiaka, M.L. Adebayo, O.E. Ugwo and B. Fuwa (Ibadan, Nigeria) 197
The effect of the duration of daily irradiance on the growth rates of seedlings of leek (*Allium ampeloprasum* L.) and Japanese bunching onion (*Allium fistulosum* L.)
J.L. Brewster (Warwick, Gt. Britain) 207
Osmoconditioning of tomato and onion seeds
A. Ali, V. Souza Machado (Guelph, Ont., Canada) and A.S. Hamill (Harrow, Ont., Canada) 213
Competitive inhibition of yield potential in a 'Williams' banana plantation due to excessive sucker growth
J.C. Robinson and D.J. Nel (Nelspruit, South Africa) 225
Influence of air and soil temperatures on grafted and self-rooted *Passiflora* hybrids
H. Meinke and A. Karnatz (Berlin, F.R.G.) 237
Correlation of pyruvate kinase activity with bitter pit development in apple fruit
G.W. Witney and M.M. Kushad (Blacksburg, VA, U.S.A.) 247
Water use of plum trees (*Prunus salicina*) trained to four canopy arrangements
V. Chootummatat, D.W. Turner (Nedlands, W.A., Australia) and J.E.L. Cripps (South Perth, W.A., Australia) 255
Kerikeri, an introduction of cooking melon from Sri Lanka and its taxonomic rank in the genus Cucumis
H. Okubo, K. Oohama, S. Inokuchi and K. Fujieda (Fukuoka, Japan) 273
The effects of removal of ethylene from low oxygen storage atmospheres on the quality of 'Cox's Orange Pippin' apples
J. Stow (Maidstone, U.K.) 281
Effect of day and night temperature alternations and of plant growth regulators on stem elongation and flowering of the long-day plant *Campanula isophylla* Moretti
R. Moe (Ås-NLH, Norway) 291
Use of antitranspirants under low-light environments to control transpiration of *Epipremnum aureum* leaves
N.C. Rajapakse, J.W. Kelly and D.W. Reed (College Station, TX, U.S.A.) 307
Effects of sugar on physical and compositional properties of rose petal membranes
D. Goszczynska, H. Itzhaki, A. Borochov and A.H. Halevy (Rehovot, Israel) 313
Mass propagation of the dwarf rose cultivar 'Rosamini'
P. Scotti Campos and M.S.S. Pais (Lisbon, Portugal) 321
Influence of storage temperature and its duration before or after ethylene exposure on the formation of flower buds in Dutch iris cultivar 'Blue Magic'
D. Yue and H. Imanishi (Osaka, Japan) 331
Irrigation of container crops according to substrate
L.M. Riviere, F. Lemaire (Angers, France) and J.C. Foucard (Chambourcy, France) .. 339

Author Index 351